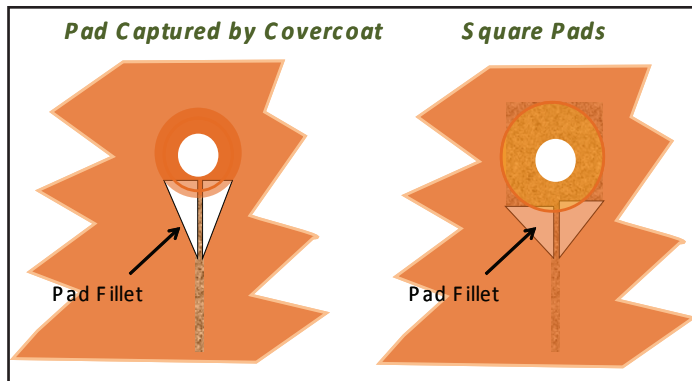


DuPont™ Pyralux®

FLEX CIRCUIT DESIGN TIP

Pad Hold Down (other Methods)

DuPont™ Pyralux® offers these design tips to aid its customers in flex circuit design and manufacture.



The examples above show a covercoated pad area in a Type 1 (single-sided) or Type 2 (double-sided) application.

Using "Pad Capture by Covercoat":

Advantages:

- This method provides the greatest pad hold down capability of any design method.
- No need for anchoring spurs, however, fillets should be used.

Disadvantages:

- Cannot be used on tight geometries. Since covercoat sits on top of the pad, there will be excessive adhesive squeeze out onto the pad causing a reduction in solderable annular ring that may violate specification.

Using "Square Pads":

Advantages:

- If the covercoat access holes are sized properly, there will be adequate pad hold down because the pad will be lapped by the covercoat on four sides.
- Can be used with tight geometries with footnote (see disadvantages below).
- No need for anchoring spurs, however, fillets should be used.

Disadvantages:

- Can be used on tight geometries, however, there may be excessive adhesive squeeze out in the four corners.

For more information on DuPont™ Pyralux® Flexible Circuit Materials, please contact your local representative, or visit our website for additional regional contacts:

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